

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	BLDG – 2 PACKAGED ROOFTOP UNIT SCHEDULE																	
2	MARK	UNITS	RTU-01	RTU-02	RTU-03	RTU-04	RTU-05	RTU-06	RTU-07	RTU-08 *1	RTU-09	RTU-10	GRAYED OUT - NO REPLACEMENT REQUIRED					
3	NOMINAL TONS	TONS	4	7.5	3	4	4	4	5	12 1/2	12 1/2	10						
4	TOTAL SUPPLY AIR	CFM																
5	STATIC PRESSURE (EXT / TOTAL)	IN. H O																
6	OUTSIDE AIR QUANTITY	CFM																
7	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F																
8	ENTERING TEMPERATURE DB/WB	°F / °F																
9	COOLING COIL TOTAL CAPACITY (NET)	MBH																
10	COOLING COIL SENSIBLE CAPACITY (NET)	MBH																
11	LEAVING TEMPERATURE COOLING DB/WB	°F / °F																
12	FILTERS	TYPE / EFF.		16X25X2	16X25X2	16X25X1	16X25X1		20X25X2	20X25X2	20X25X2	20X25X2						
13	ELECTRIC HEAT (MINIMUM)	kW	7.5	13.5	6.5			10	9	13.5	13.5	13.5						
14	ELECTRIC HEAT (MINIMUM)	STEPS																
15	FAN MOTOR	BHP/HP																
16	ELECTRICAL CHARACTERISTICS	V/ ø / HZ	SC 208 1 PHASE	3PH- 208		3PH- 208	3PH- 208	1PH- 208	3PH- 208	3PH- 208	3PH- 208	208						
17	FAN ARRANGEMENT / TYPE	--																
18	MANUFACTURER	--	TRANE	TRANE	CARRIER	YORK	YORK	TRANE	TRANE	TRANE		TRANE						
19	MODEL	--	TCC048A1	TSC090A360A2800	50TC-A04A2B3A0	D4EC048A25A	D4CE048A25A	TCC048F100BC	TSC060A3E0A2F000	TCD151C300AA	TCD121C300AA	TCD121C300AA						
20	SERIAL NUMBER	--	1437101JL	635102671L	3510G30103	NGFM084475	NCFM084476	M203KMC2H	640102912L	N07101751D	N0710175OD	N04103144D						
21	START AMPS	AMPS	25	26	24	34	35	23	40	23	20	36-2 CIRCUIT						
22	RUN AMPS	AMPS	17.2	14.2	13.2	16.1	15.2	13.7	14.72	14.1	14.1	21.2						
23	UNIT LOCATION	--																
24	SPACE SERVED	--																
25	NOTES	--	DD	A31 BELT	A36	DD	DD			B60	A60	A60						
26																		
27	MARK	UNITS	RTU-11	RTU-12	RTU-13	RTU-14	RTU-15	RTU-16	RTU-A *2	RTU-B *2	RTU-C *2	RTU-D *2						
28	NOMINAL TONS	TONS	10	4	12 1/2	4	15	5	2 1/2	2 1/2	2 1/2	2 1/2						
29	TOTAL SUPPLY AIR	CFM																
30	STATIC PRESSURE (EXT / TOTAL)	IN. H O																
31	OUTSIDE AIR QUANTITY	CFM																
32	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F																
33	ENTERING TEMPERATURE DB/WB	°F / °F																
34	COOLING COIL TOTAL CAPACITY (NET)	MBH																
35	COOLING COIL SENSIBLE CAPACITY (NET)	MBH																
36	LEAVING TEMPERATURE COOLING DB/WB	°F / °F																
37	FILTERS	TYPE / EFF.	20X25X2		20X25X2	20X25X2	20X25X2	20X25X2										
38	ELECTRIC HEAT (MINIMUM)	kW	13.5	7	13.5	7												
39	ELECTRIC HEAT (MINIMUM)	STEPS																
40	FAN MOTOR	BHP/HP																
41	ELECTRICAL CHARACTERISTICS	V/ ø / HZ	3PH- 208	3PH- 208	3PH- 208	3PH- 208	208		208	208	208	208						
42	FAN ARRANGEMENT / TYPE	--																
43	MANUFACTURER	--	TRANE	TRANE	TRANE	TRANE	CARRIER	TRANE	TRANE	TRANE	TRANE	TRANE						
44	MODEL	--	TCD121C300AA	TCD049C300BC	TCD151C300AA	TCD040C300	80TC-E17A2B5A0	TCD061C300BC	TTR030C100A2	TTR030C	TTR030C100	TTR030C100A2						
45	SERIAL NUMBER	--	N03103237O	N07102266D	N06102501D	N07102267D	2B11U25716	M51103377D	L49UATAF	L492T57AF	L492UCWA	L492KHGAF						
46	START AMPS	AMPS	24	23	36	25		26	22	22	22	22						
47	RUN AMPS	AMPS	17.1	16.1	21.3	16.1		17.3	14.1	14.1	14.1	14.1						
48	UNIT LOCATION	--																
49	SPACE SERVED	--					NOT RUNNING		COMPUTER ROOM	COMPUTER ROOM	COMPUTER ROOM	COMPUTER ROOM						
50	NOTES	--	B60	DD	B60	DD	B46	DD	CONDENSOR	CONDENSOR	CONDENSOR	CONDENSOR						
51																		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
52	BLDG – 3 (EAST HALF) PACKAGED ROOFTOP UNIT SCHEDULE																	
53	MARK	UNITS	RTU-01-A	RTU-02-A	RTU-03-A	RTU-04-A	RTU-05-A	RTU-06-A	RTU-07-A	RTU-08-A	RTU-09-A	RTU-10-A						
54	NOMINAL TONS	TONS	4	6	6	7.5	6	4	5	6	6	3						
55	TOTAL SUPPLY AIR	CFM																
56	STATIC PRESSURE (EXT / TOTAL)	IN. H O																
57	OUTSIDE AIR QUANTITY	CFM																
58	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F																
59	ENTERING TEMPERATURE DB/WB	°F / °F																
60	COOLING COIL TOTAL CAPACITY (NET)	MBH																
61	COOLING COIL SENSIBLE CAPACITY (NET)	MBH																
62	LEAVING TEMPERATURE COOLING DB/WB	°F / °F																
63	FILTERS	TYPE / EFF.	16X25X2	16X25X2	16X25X2	16X20X2	16X25X2	16X25X2	20X25X2	16X25X2	16X25X2							
64	ELECTRIC HEAT (MINIMUM)	kW	12-16	7.9-10.5	7.9-10.5	18	7.9	5	8	7	7	5						
65	ELECTRIC HEAT (MINIMUM)	STEPS																
66	FAN MOTOR	BHP/HP																
67	ELECTRICAL CHARACTERISTICS	V/ ø / HZ	208/230 3PH	208/230 3PH	208/230 3PH	208/230 3PH												
68	FAN ARRANGEMENT / TYPE	--																
69	MANUFACTURER	--	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	TRANE	TRANE	TRANE	CARRIER						
70	MODEL	--	50TJ-005-511GA	50TJ-007-521	50TJ-007-521	50TJ-008-521	50TJ-007-521	50TFF-005-501GA	TSC060A3E0A0	TSC072A3E0A0T000	TSC075A3E0A0U000	50TJ-004-511GA						
71	SERIAL NUMBER	--	1500G20966	1000G21583	0900G21008	1800G30163	0900G20996	0701G21099	435100836L	323401464L	3251015102	2299G21483						
72	START AMPS	AMPS	23	35	35	39	35	20	39	32	32							
73	RUN AMPS	AMPS	17	21	21	23	23	12	19	20	20							
74	UNIT LOCATION	--	50/60 BREAKER	80/90		80/90												
75	SPACE SERVED	--																
76	NOTES	--	A-36 BELT	A-39	A-40	A-48	A-39	A-36	15 CAP	A-32	A-32	A-36						
77																		
78	MARK	UNITS	RTU-11-A	RTU-12-A	RTU-13-A	RTU-14-A	RTU-15-A	RTU-16-A										
79	NOMINAL TONS	TONS	5	3	Currently 6 - Upgrade to 7.5	3	5 NEW	7.5 NEW										
80	TOTAL SUPPLY AIR	CFM																
81	STATIC PRESSURE (EXT / TOTAL)	IN. H O																
82	OUTSIDE AIR QUANTITY	CFM																
83	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F																
84	ENTERING TEMPERATURE DB/WB	°F / °F																
85	COOLING COIL TOTAL CAPACITY (NET)	MBH																
86	COOLING COIL SENSIBLE CAPACITY (NET)	MBH																
87	LEAVING TEMPERATURE COOLING DB/WB	°F / °F																
88	FILTERS	TYPE / EFF.	16X25X2	16X25X2	16X16X2	16X25X2	16X25X2	16X20X2										
89	ELECTRIC HEAT (MINIMUM)	kW	5		16		6											
90	ELECTRIC HEAT (MINIMUM)	STEPS																
91	FAN MOTOR	BHP/HP																
92	ELECTRICAL CHARACTERISTICS	V/ ø / HZ																
93	FAN ARRANGEMENT / TYPE	--																
94	MANUFACTURER	--	CARRIER	CARRIER	CARRIER	CARRIER												
95	MODEL	--	50TJ-006-501GA	50TJ004511GA	50TC-B07A2B5A0	50TJ-004-511GA	50TC-A06A2	50TC-D08A25B										
96	SERIAL NUMBER	--	2199G21623	2299G21482	4509G30298	2299G21485	4213C83453	2814P31159										
97	START AMPS	AMPS	39	40			20	40										
98	RUN AMPS	AMPS	21				18	29										
99	UNIT LOCATION	--																
100	SPACE SERVED	--			UPGRADE-HOLD													
101	NOTES	--	A-40	A36	A41	A-36	A-36	A-32										
102																		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
103	BLDG – 3 (WEST HALF) PACKAGED ROOFTOP UNIT SCHEDULE																	
104	MARK	UNITS	RTU-01	RTU-02	RTU-03	RTU-04	RTU-05	RTU-06	RTU-07	RTU-08	RTU-09	RTU-10						
105	NOMINAL TONS	TONS	6	6	6	6	6	8.5	5	6	7.5	9						
106	TOTAL SUPPLY AIR	CFM	2700	2120	2295	2835	1920	3510	1790	1970	2400	1170						
107	STATIC PRESSURE (EXT / TOTAL)	IN. H O	1.5/-	1.25/-	1.25/-	1.5/-	1.5/-	1.5/-	1.25/-	1.25/-	1.5/-	1.4/-						
108	OUTSIDE AIR QUANTITY	CFM	85	115	215	220	225	375	355	70	245	215						
109	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0						
110	ENTERING TEMPERATURE DB/WB	°F / °F	75.3 / 62.8	75.9 / 63.6	76.7 / 64.1	76.2 / 63.4	77.3 / 65.2	77.0 / 64.2	78.6 / 67.9	75.5 / 64.0	76.5 / 65.3	78.5 / 66.7						
111	COOLING COIL TOTAL CAPACITY (NET)	MBH	61	48.7	64.8	73.5	55.5	108.9	62.7	40.5	62	40.6						
112	COOLING COIL SENSIBLE CAPACITY (NET)	MBH	54.8	42.8	51.3	61.8	42.1	83	39.8	36.2	47.7	27.5						
113	LEAVING TEMPERATURE COOLING DB/WB	°F / °F	56.5 / 55.3	57.2 / 56.1	56.0 / 54.8	56.0 / 54.8	57.0 / 55.9	55.1 / 53.9	58.0 / 57.1	58.5 / 57.4	58.1 / 57.1	56.7 / 55.7						
114	FILTERS	TYPE / EFF.	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED						
115	ELECTRIC HEAT (MINIMUM)	kW	14	11	14	16	12	21	13	10	14	9						
116	ELECTRIC HEAT (MINIMUM)	STEPS	2	1	2	2	1	2	1	1	2	1						
117	FAN MOTOR	BHP/HP	2.4/-	2.4/-	2.4/-	2.4/-	2.4/-		-1.5	2.4/-	2.4/-	0.95/1.8						
118	ELECTRICAL CHARACTERISTICS	V/ ø / HZ	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60						
119	FAN ARRANGEMENT / TYPE	--	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC						
120	MANUFACTURER	--	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	TRANE	CARRIER	CARRIER	TRANE						
121	MODEL	--	50TJ-007	50TJ-007	50TJ-007	50TJ-007	50TJ-007	50TJ-009	TSC060	50TJ-007	80TC-008	TSC036						
122	SEER / EER / IEER (MINIMUM)	-- / -- / --	13.0 / - / -	13.0 / - / -	13.0 / - / -	- / 11.2 / 11.4	13.0 / - / -	- / 11.2 / 11.4	13.0 / - / -	13.0 / - / -	13.0 / - / -	13.0 / - / -						
123	MCA	AMPS																
124	MOCP	AMPS																
125	UNIT LOCATION	--	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF						
126	SPACE SERVED	--	BK INVEST	MAJOR	POLYGRAPH	SOUTH WAITING	SOUTH WAITING	SOUTH WAITING	ROLL CALL	HR DIRECTOR	HR	TRAIN ROOM N						
127	NOTES	--																
128																		
129	MARK	UNITS	RTU-11	RTU-12	RTU-13	RTU-14	RTU-15	RTU-16	RTU-17		CU1	CU2						
130	NOMINAL TONS	TONS	2	6	4	4	5	3	3.5	NOMINAL TON	8	9						
131	TOTAL SUPPLY AIR	CFM	1195	1920	1565	1825	1895	960	1190	FULL LOAD AMPS	35.8	35.6						
132	STATIC PRESSURE (EXT / TOTAL)	IN. H O	1.4/-	1.5/-	1.0/-	1.5/-	1.25/-	1.4/-	0.75/-	RECORD FUSE	60	60						
133	OUTSIDE AIR QUANTITY	CFM	220	245	90	90	175	245	165	SEER	12	13						
134	OUTSIDE AIR TEMPERATURE DB/WB	°F / °F	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	OUTDOOR TEMP	95	95						
135	ENTERING TEMPERATURE DB/WB	°F / °F	77.9 / 65.1	76.8 / 66.4	75.8 / 62.9	76.0 / 62.9	76.6 / 64.2	79.7 / 61.1	77.5 / 65.0	MANUFACTURER	LIEBERT	LIEBERT						
136	COOLING COIL TOTAL CAPACITY (NET)	MBH	42.2	48.5	42.3	44.8	52.1	37.6	38.5	MODEL	PH096A	PH067A						
137	COOLING COIL SENSIBLE CAPACITY (NET)	MBH	27.1	35.7	35.2	39.6	41.3	29.5	28.3	UNIT WEIGHT	565	351						
138	LEAVING TEMPERATURE COOLING DB/WB	°F / °F	56.7 / 54.6	59.6 / 54.6	55.0 / 53.8	55.9 / 54.7	56.4 / 55.2	56.1 / 55.3	55.5 / 54.4	ELECT CHARAC	208/3/60	208/3/60						
139	FILTERS	TYPE / EFF.	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	OUTDOOR FAN	1/0.75	1/0.6						
140	ELECTRIC HEAT (MINIMUM)	kW	9	12	9	10	11	9	9	NOTES								
141	ELECTRIC HEAT (MINIMUM)	STEPS	1	1	1	1	1	1	1									
142	FAN MOTOR	BHP/HP	0.95/1.0	2.4/-	0.75/-	0.75/-	1.5/-	0.95/1.0	0.34/-									
143	ELECTRICAL CHARACTERISTICS	V/ ø / HZ	208/3/60	208/3/60	208/1/60	208/1/60	208/3/60	208/3/60	208/1/60									
144	FAN ARRANGEMENT / TYPE	--	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC									
145	MANUFACTURER	--	TRANE	CARRIER	CARRIER	CARRIER	CARRIER	TRANE	CARRIER									
146	MODEL	--	TSC036	50TJ-007	50TJ-005	50TJ-005	50TJ-006	TSC036	50TJ-004									
147	SEER / EER / IEER (MINIMUM)	-- / -- / --	13.0 / - / -	13.0 / - / -	13.0 / - / -	13.0 / - / -	13.0 / - / -	13.0 / - / -	13.0 / - / -									
148	MCA	AMPS	37.5	37.5				37.5										
149	MOCP	AMPS	40	40				40										
150	UNIT LOCATION	--	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF									
151	SPACE SERVED	--	TRAIN ROOM S	HR TESTING EAST	WEST RECEPT.AREA	HR TEST WAITING	CHAPLIN HR ASSIST	HR TESTING WEST	BREAKROOM									
152	NOTES	--																
153																		

BLDG – 2 PACKAGED ROOFTOP UNIT SCHEDULE -REPLACE

*1- Replace Existing RTU-08			*2 - REPLACEMENTS FOR DISCARDED RTU-A,B,C,D				NEW UNIT-CU-3					
Model Number			THC048		AH1		AH2		AH3			
Tonnage			4 Ton		Total Capacity		62,700 BTU/H		Total Capacity		62,700 BTU/H	
Design Airflow			cfm 1280		Sensible Capacity		55,800 BTU/H		Sensible Capacity		55,800 BTU/H	
Design ESP			in H2O 1.000		CFM		2,500		CFM		2,500	
Voltage			208-230/60/3		Electrical		208/3/60		Electrical		208/3/60	
Net Total Capacity			MBh 45.28		Fan		2 hp		Fan		1.5 hp	
Net Sensible Capacity			MBh 28.33		E.S.P.		0.5"		E.S.P.		0.5"	
Cooling Entering Dry Bulb			F 78.59		Reheat		Electric- 11.5 kW		Reheat		Electric- 11.5 kW	
Cooling Entering Wet Bulb			F 66.80		Humidifier		Steam-10 lbs/hr		Humidifier		Steam-8 lbs/hr	
Cooling Leaving Unit DB			F 58.49		Nom Tons		8		Nom Tons		5	
Cooling Leaving Unit WB			F 55.32		FLA/MOCP		45.9/60		FLA/MOCP		45.9/60	
Evap Coil Leav Air Temp (WB)			F 54.53		Weight		665		Weight		498	
Evap Coil Leav Air Temp (DB)			F 56.54		Model Number		MMD96E		Model Number		MMD60E	
Reheat Capacity			MBh 27.47		Coil		7.6 sq ft/4 row		Coil		5.6 sq ft/4 row	
Output Htg Capacity w/Fan			MBh 43.13		CU 1		CU2		CU3			
Ambient Temp			F 95.00		Model Number		PFH096A		Model Number		PFH067A	
SEER @ AHRI			btuh/watt 15.00		Electrical		208/230/3/60		Electrical		208/230/3/60	
Evaprator Fan FLA			A 5.00		Fan		3/4 hp		Fan		1/2 hp	
Compressor 1 RLA			A 13.70		Coil		21 sq ft/3 row		Coil		10.5 sq ft/3 row	
Compressor 2 RLA			A 0.00		FLA/MOCP		35.6/60		FLA/MOCP		35.6/60	
Condenser Fan FLA			A 2.50		Weight		565		Weight		351	
MCA			A 37.50		Notes: 1. Selections based on Emerson/Liebert 2. Conditions at 75F DB/61F WB/95F outdoor amb 3. Ducted config w/MERV8 filters 4. Non-locking disc switch-evap only 5. Electric reheat & steam humidifier 6. Condensate pump 7. R407C refrigerant 8. Network interface card 9. Programmable t/stat 10. One year parts warranty 11. 4 year extended compressor warranty 12. Start up by factory rep							
MOP			A 40.00									
Hinged service access/filters			Hinged pnl /2" pltd filters MERV 8-3ph									
Max Unit Operating Weight			lb 1002.0									
Refrig charge (HFC-410A) - ckt 1			lb 12.0									
Refrig charge (HFC-410A) - ckt 2			lb 0.0									